DOE ORDER# 54001

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## EERG ROCKY FLATS

EG&G ROCKY FLATS, INC. ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 956-7000

January 3, 1995

95-RF-00127

Jessie M. Roberson Assistant Manager for **Environmental Restoration** DOE, RFFO

TRANSMITTAL OF 1994 GROUNDWATER GEOCHEMISTRY REPORT (VOLUME III OF THE SITEWIDE GEOSCIENCES CHARACTERIZATION STUDY) - SGS-003-95

Action: None required.

EG&G Rocky Flats, Inc. is pleased to deliver 10 copies of the 1994 Groundwater Geochemistry Report to the Department of Energy, Rocky Flats Field Office (DOE, RFFO). This comprehensive report evaluates all chemical data for groundwater samples collected sitewide at Rocky Flats Environmental Technology Site (Site) during the period of January 1, 1990 through the first quarter of 1994. In all, more than 350,000 records from Rocky Flats Environmental Database System were evaluated.

This report includes an introductory section, summary sections on the geology and hydrogeology of the Site, spatial and temporal evaluations of groundwater chemistry using statistical and graphical techniques, presentation and interpretation of environmental-isotope (oxygen 18, deuterium, and tritium) data, and discussion and evaluation of the results from the first application of geochemical modeling to groundwater at the Site.

There is no deadline for delivery of the report to the regulatory agencies; complementary copies may be transmitted from DOE, RFFO to the Environmental Protection Agency and the Colorado Department of Public Health and Environment at DOE's convenience.

Please direct any technical questions to Dr. Mary A. Siders at extension 6933.

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Orig. and 1 cc - J. M. Roberson

S. G. Stiger, Director

cc:

N. I. Castaneda DOE, RFFO M. N. Silverman DOE, RFFO

Environmental Restoration Program Division